



2100 Stereo Power Amplifier

Date of manufacture : ?

Please note that this document contains the text from the original product brochure, and some technical statements may now be out of date



We are a leading producer of affordable amplifiers that produce the full measure of dynamic headroom required by digital recordings. The “best buy” 2100 Power Amp is remarkable even by NAD’s standards. While its rated power for continuous test tones is 50 watts channel, it’s effective power output for music is an impressive 200 to 330 watts per channel (depending on speaker impedance). Thanks to NAD’s unique Power Envelope circuitry, this high level of tone-burst power is available not just for brief transients but for the full duration of complex chords and musical climaxes.

Yet the 2100 has the same modest size and low price as other “50 watt” amplifiers with 40,000 μ F of power-supply capacitance, the 2100 delivers peak currents as high as 30 amperes to cope with the most complex and reactive loudspeaker impedances. In addition to power and control, the 2100 has delicacy; with a signal-to-noise ratio of 117 dB, it faithfully reproduces every subtle strand of low-level musical detail and back-ground ambience. With its high-speed output stage and ultra-low distortion, the clarity of its sound must be heard to be appreciated.

You can use either wide-band inputs or filtered inputs 112Hz to 80kHz that strip off interference, prevent intermodulation distortion, and protect your speakers from unwanted subsonic signals. The filtered inputs also have input-level controls that match your preamp’s output, balance levels in bi-amped or surround systems and allow you to bypass your preamp and connect a line level source directly to the power amp. Heavy-duty binding-post terminals provide secure low-resistance connections for all types of speaker wire.

If you need more power, a rear-panel switch combines the amplifier’s two channels to form a mono amp rated at 100 watts continuous and 500 watts tone-burst output. The efficiency and compact size of the 2100 also make it a perfect choice for hi-amplifying speakers.

(Suggestion for a high-definition audiophile system: instead of buying exotic and expensive speaker cables to stretch across the room, install a bridged or bi-amped 2100 directly behind each speaker, connected with ultra-short wires.

POWER AMP SECTION

Continuous output power into 8Ω *		60W (17dBW)
Rated distortion (THD 20Hz - 20kHz)		0.03 %
Clipping power (maximum continuous power per channel)		70W
IHF Dynamic headroom at 8Ω		+6dB
IHF dynamic power (maximum short term power per channel)	8Ω	200W (23dBW)
	4Ω	250W (24dBW)
	2Ω	330W (25dBW)
Damping factor (ref. 8Ω, 50Hz)		>100
Input impedance		10kΩ / 600pF
Input sensitivity (for rated power into 8Ω)		0.85V
Frequency response		3Hz - 100kHz / +0, -3dBdB
Signal/noise ratio	ref. 1W	100dB
	ref. rated power	117dB
THD (20Hz - 20kHz)		<0.03 %

Bridged Mode

Continuous output power into 8Ω *		100W (20dBW)
IHF Dynamic headroom at 8Ω		+7dB
IHF dynamic power (maximum short term power per channel)	8Ω	500W (27dBW)
	4Ω	660W (28dBW)

PHYSICAL SPECIFICATIONS

Dimensions (W x H x D)	435 x 106 x 385mm
Net weight	9.5kg
Shipping weight	10.9kg
Power consumption (120 ~ 240V, 50/60Hz)	330VA

* Minimum power per channel, 20Hz - 20kHz, both channels driven with no more than rated distortion.

Dimensions are of unit's cabinet without attached feet; add up to 18mm for total height.

Dimension depth excludes terminals, sockets, controls and buttons.